

INTERNATIONAL SEARCH REPORT

PCT/US2004/034841

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A47L9/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A47L B04C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 885 585 A (CANDY S.P.A) 23 December 1998 (1998-12-23) column 1, line 3 - line 4 column 1, line 25 - line 36 column 4, line 18 - column 6, line 48 figure 1	1-3, 5-7, 15-17, 19-22
A	US 5 230 722 A (YONKERS ET AL) 27 July 1993 (1993-07-27) column 1, line 5 - line 11 column 2, line 47 - column 3, line 21; figures 1-8 ----- -/--	1, 9-15, 23-28

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

24 February 2005

Date of mailing of the international search report

07/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Redelsperger, C

INTERNATIONAL SEARCH REPORT

PCT/US2004/034841

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 97/12660 A (PRO-TEAM, INC; COOMBS, RICHARD, L; SHIDELER, LARRY, R) 10 April 1997 (1997-04-10) page 4, line 7 - page 5, line 16 figure 2	1, 15
A	EP 0 679 364 A (ROBERTS, EDWARD JOHN; CLIXBY, PETER WILLIAM; CLIXBY, ADAM WILLIAM) 2 November 1995 (1995-11-02) abstract figure 1	1, 15
A	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 08, 30 June 1999 (1999-06-30) & JP 11 056718 A (IDE HIROYUKI; ISOTANI KEIICHI), 2 March 1999 (1999-03-02) abstract	1, 15

INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/US2004/034841

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0885585	A	23-12-1998	US 6083292 A	04-07-2000
			EP 0885585 A1	23-12-1998
			DE 69712046 D1	23-05-2002
			DE 69712046 T2	05-12-2002
			ES 2171875 T3	16-09-2002
US 5230722	A	27-07-1993	NONE	
WO 9712660	A	10-04-1997	AU 5921496 A	28-04-1997
			WO 9712660 A1	10-04-1997
EP 0679364	A	02-11-1995	EP 0679364 A1	02-11-1995
			GB 2271728 A ,B	27-04-1994
JP 11056718	A	02-03-1999	NONE	